

## ABSTRACT OF THE DISCLOSURE

A cell array is formed by a plurality of cells each including a selection bipolar transistor and a storage component. The cell array is formed in a body including a common collector region of P type; a plurality of base regions of N type, overlying the common collector region; a plurality of emitter regions of P type formed in the base regions; and a plurality of base contact regions of N type and a higher doping level than the base regions, formed in the base regions, wherein each base region is shared by at least two adjacent bipolar transistors.

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